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KDL-46EX711

46" BRAVIA® EX711 Series LED HDTV

Key Features

- Full HD 1080p Resolution
- Edge LED Backlighting with Slim Design
- Wi-Fi® Adapter Ready & BRAVIA® Internet Video[1]
- Motionflow™ 120Hz Technology for Smooth Motion
- Ambient Sensor adjusts color based on room light
- USB port for photos, music & video playback
- Presence Sensor technology
- Energy Saving Switch eliminates standby power

Key Technologies

Full HD 1080p Resolution Experience Full HD 1080p picture quality, the highest at-home resolution, and take full advantage of HD sources like a Blu-ray Disc™ Player or PlayStation®3 gaming console via the 16:9 wide screen panel (1920 x 1080).[2]

Edge LED backlight Enjoy a slim design plus amazing dynamic contrast with an Edge LED backlight.

Wi-Fi® Adapter Ready Enjoy the convenience of wireless connectivity for your home entertainment network and make accessing your online entertainment - including movies, photos, music, videos and more - even easier! (Wi-Fi dongle required. Included.) [4]

BRAVIA® Internet Video Instantly stream a wide variety of movies, TV episodes, videos and music from a large selection of entertainment apps including: Netflix®, YouTube™ , Slacker® - the list goes on and on.[1]

Motionflow™ 120Hz Technology Experience smooth motion detail and clarity with Motionflow™ 120Hz technology. Motionflow™ 120Hz technology doubles the frame rate from the standard 60 frames per second and applies Image Blur Reduction technology to deliver a crisp, fluid and realistic viewing experience during fast-action scenes.

Ambient Sensor Get a natural looking picture whether you are watching movies late at night or playing video games during the day with an Ambient Sensor that automatically adjusts the picture color based on a room's lighting.

USB Input Share your home videos or photos on the big screen or listen to your favorite music. Simply connect your digital camera, USB-enabled MP3 player, or USB storage device directly to your HDTV's USB input.

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Features

General

Closed Captions (CC): Analog, Digital
Finish (Surface Color): Black
XMB: Yes
Audio Return Channel: Yes
HDMI™ InstaPort: Yes
Start Up Sony Logo Display: Yes

Display

Backlight Type: Edge LED
Display Device: LCD

Video

Video Processing: BRAVIA Engine 3™ Technology
CineMotion® Reverse 3:2 Pulldown Technology: Yes
Wide Mode: Normal, Zoom, Wide Zoom, Full (Full1-2 for PC), H Stretch
Deep Color: Yes
3D Comb Filter: Yes
PhotoTV HD: Yes
MPEG Noise Reduction: Yes
Auto Wide: Yes
4:3 Default: Yes
24p True Cinema™ Technology: Yes
Picture Mode: Vivid, Standard, Custom, Cinema, Game-Standard, Game-Original, Graphics, Sports, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
Advanced Contrast Enhancer (ACE): Yes
Motionflow™ Technology: 120Hz
Cinema Mode: Yes
Live Color™ Technology: Yes

Audio

Auto SAP: Yes
Auto Mute (on no signal): Yes
Steady Sound® Automatic Volume Control: Yes
Audio Out: Variable/Fixed
Sony Original Surround: Yes
Stereo System: MTS
Dolby®: Dolby® Digital
Alternate Audio (Digital): Yes
Surround Effect: Cinema, Music, Live Sports, Game
5.1 Channel Audio Out: Yes
Sound Mode: Dynamic, Standard, Clear Voice, Custom
5.1ch Through Out (Handycam): Yes
Sound Enhancer: Yes
S-Master: Yes
Clear Voice: Yes
Invisible Speaker (w/Sound Elevation): Yes

Convenience

Channel Jump: Yes
Multiple Language Display: English, French, Spanish
Info Banner: TV Guide on Screen, PSIP, XDS
Sleep Timer: Yes
Input Skip: Automatic
Channel Surf: Yes
Channel Block (with password): Yes
Edit Channel Labels: Yes
Label Inputs: Yes
On/Off Timer: Yes
USB Application(s): Photo Viewer (jpeg), Photo Viewer (RAW), Music Player (mp3), Video Player (AVCHD), Video Player (AVC), Video Player (MPEG4)
Theatre Mode (Theatre Button): Yes
Show/Hide Channels: Yes
Auto Shut-off: Yes
BRAVIA® Sync™ : Yes
Parental Control: Yes
BRAVIA® Sync™ Menu Button: Yes (on Remote Control)
On-Screen Display for External Input: Yes
PIP (Picture in Picture): PC Input/TV Channel&CVBS
Channel Labels: Yes
Control for HDMI™ (HDMI™ CEC): Yes
Auto Photo Mode: via HDMI, via DLNA, via USB
On-Screen Clock: Yes
Picture Adjustments Lock: Yes
White Balance: RGB Gain/Bias
Auto Picture Setting w/HDMI™ : Cinema, Sport, Music, Photo, Graphics, Game
Scene Select: Auto, Cinema, Sports, Photo, Music, Game, Graphics, General
Theatre Mode with Cinema Surround: Yes
TV Guide On-Screen: Yes
On-Screen Operating Instructions: Yes
Favorites (Simple UI): Yes
Ambient Sensor: Yes
Picture Frame Mode: Yes
Quick Start: Yes
Stand Swivel: Yes
Stand Swivel Range: Left 20°/Right 20°
Start Up Sony Logo Display: Yes
USB Player: Yes
Wireless LAN: Ready

Network

DLNA: Yes
BRAVIA® Internet Video: Yes
Photo MAP: Yes
Wireless LAN: Ready

Specifications

Display

Viewing Angle (Right/Left): 178(89/89)
Viewing Angle (Up/Down): 178(89/89)
Dynamic Contrast Ratio: Infinite[3]
Screen Size (measured diagonally): 46"
Display Resolution: Full HD 1080(1920x1080)
Aspect Ratio: 16:9

TV System

Tuner (Cable): Clear QAM
Tuner (Terrestrial): ATSC™ / NTSC
Channel Coverage: VHF: 2-13ch
UHF: 14-69ch
CATV (analog): 1-135ch
CATV (digital) : 1-135ch
TV System (Analog): M
Number of Tuners (Digital): 1(Hybrid)
Color System: NTSC

Video

Video Signal: 1080/60p (HDMI™ / COMPONENT), 1080/60i, 1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

Audio

Audio Power Output: 20W (10W x 2)
Speakers (Total): 2

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (1 Rear / 1 Rear (Composite input common use))
Composite Video Input(s): 2 (1 Rear (Component input common use)/ 1 Side)
Digital Audio Output(s): Optical Digital Output - 1 (Rear)
RF Connection Input(s): 1 (Rear)
Analog Audio Input(s) (Total): 4 (1 Side / 3 Rear)
Audio Out: 1 (Rear)
HDMI™ Connection(s) (Total): 4(2 Side/2 Rear)
PC In (D-Sub) + Audio In (Stereo Mini): 1 (Rear)
USB 2.0: 1 (Side)
HDMI™ PC Input: Yes
AC Power Input: 1 (Rear)
Ethernet Connection(s): 1 (Rear)

Power

Power Consumption (in Standby): 0.12W
Power Requirements (voltage): AC 120V for UL,cUL AC110-240V for other
Power Requirements (frequency): 60Hz for UL,cUL 50/60Hz for other
Power Consumption (in Operation) max.: 115W
Power Consumption (in Download Acquisition Mode): 13W

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes
VESA® Hole Pitch: 300x300 M6

Service and Warranty Information

Limited Warranty Term: 18 Year Labor / 18 Year Parts
Online Instruction Manual (Reference Book): Yes

Energy Saving & Efficiency

Power Saving Modes: Yes
Energy Star® compliant: Exceeds Energy Star® version 4.0
Eco Settings: Yes
Dynamic Backlight Control: Yes
Backlight Off Mode: Yes
Estimated Annual Energy Consumption (kWh): 134.1kWh/year
Energy Saving Switch: Yes
Presence Sensor: Yes

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)

Dimensions

Weight: 41 lbs. (18.6kg) with pedestal; 36 lbs. (16.3kg) without pedestal
Measurements: 42 3/4 x 27 1/8 x 10 1/4" (1085 x 688 x 260mm) with pedestal; 42 3/4 x 25 7/8 x 3" (1085 x 656 x 75mm) without pedestal

Supplied Accessories

Wi-Fi Adapter (UWA-BR100)
Remote Control (RM-YD033)
Batteries (Type AAA x2)
AC Power Cord
Table Top Stand (separate, pre-assembled)

Optional Accessories

Wallmount Bracket (SU-WL500)
Wi-Fi Adapter (UWA-BR100)

1. Broadband internet connection speed of at least 2.5 Mbps recommended (10 Mbps for HD content). Video quality and picture size vary and are depended upon broadband speed and delivery by content provider. Select content provided subject to change. Premium content may require additional fees, a subscription and/or PC registration. Wireless connectivity requires UWA-BR100 USB adapter or Ethernet cable (sold separately), a home network with an 802.11 access point (802,11n recommended).
2. HDMI cable required, sold separately. .
3. Dynamic contrast ratio compares the luminance of a 100 IRE (white) signal with that of a 0 IRE (black) signal. When the TV receives a 0 IRE signal the backlight is turned off and the luminance measurement is 0.00 cd/m2 . The resulting dynamic contrast ratio is infinite.
4. Requires home network with an 802.11 access point (802.11n recommended) and internet connection. USB adapter (UWA-BR100) required, sold separately.

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